Concept-Author-Title INDEX

VOLUME 29, NUMBERS 1-6, 1990

A

Abdul-Majeed, G.H.—New Correlation for Estimating the Viscosity of Undersaturated Crude Oils, by G.H. Abdul-Majeed, R.R. Kattan and N.H. Salman, Vol.29, No.3, P80-85, May-June 90.

Abou-Kassem, J.H.—Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

Aguilera, R.—A New Approach for Analysis of the Nuclear Magnetic Log - Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Alkali—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.1, P29-36, Jan.-Feb.90.

Allsop, H.A.—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Ambastha, A.K.—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.

Annulus Area—Improved Cementing Practices Reduce Cement ing Failures, by W.A. Hart and T.R. Smith, Supplement, P34-39, Nov.90.

Anodic Polarization—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

Aquifer Parameters—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.

Asgarpour, S.—A Statistical Model to Evaluate a Hydrocarbon Miscible Flood in an Upper Devonian Field in Central Alberta, by S. Asgarpour and W. Papst, Vol.29, No.3, P61-66, May-June 90.

B

Batycky, J.P.—Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Bennion, D.W.—In Situ Combustion Tests on Eyehill Cummings Reservoir, by R.G. Moore, M. Ursenbach and D.W. Bennion, Vol.29, No.6, P40-48, Nov.-Dec.90.

Bentsen Method—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.

Bentsen, R.G.—A Scaling Criterion for Miscible Displacements, by G. Coskuner and R.G. Bentsen, Vol.29, No.1, P86-88, Jan.-Feb.90.

— Further Experimental Validation of the External drive Technique, by H.K. Sarma and R.G. Bentsen, Vol.29, No.4, P75-83, July-Aug.90.

Berea Sandstone—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

Besler, M.R.—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Bitumen Density—Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct.90.

Boutette, M.J.—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

Bridger, P.—External Corrosion on Thermally Insulated Pipelines - Causes and Proposed Solutions, Canadian Occidental Gas Gathering System, by P. Bridger, Vol.29, No.2, P93-97, Mar.-Apr.90.

Butler, R.M.—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

— Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.

C

Cameron, G.R.—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

Capillary Hysteresis—Representation of Hysteresis in Capillary Pressure for Reservoir Simulation Models, by T. Tan, Vol.29, No.4, P84-88, July-Aug.90.

Capillary Number—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

Carbon Dioxide—Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.

Carbon Dioxide Solvents—Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Cebuliak, N.—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Cement Squeeze Treatment—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.

Cementing Equipment—Proper Selection of Float and Multiple-stage Cementing Equipment can Save Money, by Bob Sullaway and Dick Giroux, Vol.29, No.3, P52-60, May-June 90.

Cementing Operations—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.

Cementing Practices—Improved Cementing Practices Reduce Cementing Failures, by W.A. Hart and T.R. Smith, Supplement, P34-39, Nov.90.

Centrifuge Pressure Curves—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.

Chatzis, I.—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

China Ventures—Technology Transfer: The Joint Venture in China, by D. Cole, Vol.29, No.2, P129-131, Mar.-Apr.90.

Chmilowski, W.—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.

Chow, R. — Authors' Reply, The Physical Chemistry of the Hot Water Process, K. Takamura, D. Wallace, and R. Chow, Supplement, P74-75, Nov. 90

Claus Oxygen Enrichment System—Shell Jumping Pound: Optimizing

Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Closmann, P.J.—A Correlation of Viscosity and Molecular Weight, by P.J. Closmann and R.D. Seba, Vol.29, No.4, P115-116, July-Aug.90.

Cole, D.—Technology Transfer: The Joint Venture in China, by D. Cole, Vol.29, No.2, P129-131, Mar.-Apr.90.

Combustion—Experimental Evaluation of in situ Combustion in Naturally Consolidated Cores, by H. Petit, Vol.29, No.6, P56-62, Nov.-Dec.90.

Combustion Tube Tests—In Situ Combustion Tests on Eyehill Cummings Reservoir, by R.G. Moore, M. Ursenbach and D.W. Bennion, Vol.29, No.6, P40-48, Nov.-Dec.90.

Composite Reservoirs—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.

Compressibility—Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

Computer Applications—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.

— Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.

— Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

— Amoco's Field Data Entry System, by G.R. Gill, Vol.29, No.5, P109-110, Sept.-Oct.90.

Condensing Drive—Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Connate Water Saturation—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

— Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Consumption Rates—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Conversion Efficiency—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Core Materials—Experimental Evaluation of in situ Combustion in Naturally Consolidated Cores, by H. Petit, Vol.29, No.6, P56-62, Nov.-Dec.90.

Coring Fluids—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Corrosion—External Corrosion on Thermally Insulated Pipelines—Causes and Proposed Solutions, Canadian Occidental Gas Gathering System, by P. Bridger, Vol.29, No.2, P93-97, Mar.-Apr.90.

Corrosion Measurement Systems—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by Systems R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

— Casing Corrosion Evaluation Using Wireline Techniques, by Bob Dennis, Vol.29, No.4, P100-112, July-Aug.90.

Coskuner, G.—A Scaling Criterion for Miscible Displacements, by G. Coskuner and R.G. Bentsen, Vol.29, No.1, P86-88, Jan.-Feb.90.

— A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

Cost Reductions—Proper Selection of Float and Multiple-stage Cementing Equipment can Save Money, by Bob Sullaway and Dick Giroux, Vol.29, No.3, P52-60, May-June 90.

Costain, T.G.—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.1, P37-42, Jan.-Feb.90.

— Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

Cosurfactant—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.1, P29-36, Jan.-Feb.90.

Countess 'B' Fireflood Pilot Project—Experience with Fireflooding in Countess 'B' Pool, Alberta Reservoir Aspects, by M. Metwally, Vol.29, No.2, P87-92, Mar.-Apr.90.

Critical Well Licence Applications—Critical Well Licence Applications: Criteria and the Drilling Industry's Role in Exploration, by J.D. Rooke, Vol.29, No.3, Applications P26-30, May-June 90.

Czarnecki, J.—Discussion, The Physical Chemistry of the Hot Water Process, by K. Takamura and D. Wallace, by J. Czarnecki and R. Smith, Supplement, P72-73, Nov.90.

D

David Lloydminster—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

Dawe, R.A.—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Decline-curve Performance—Pool-production and Well-count Forecasts, by R.A. Purvis, Vol.29, No.6, P80-87, Nov.-Dec.90.

Dennis, R.—Casing Corrosion Evaluation Using Wireline Techniques, by Bob Dennis, Vol.29, No.4, P100-112, July-Aug.90.

Desouky, S.E.M.—A Generalized Pipeline Design Correlation for Pseudoplastic Fluids, by S.E.M. Desouky and N.A. El-Emam, Vol.29, No.5, P48-54, Sept.-Oct.90.

Developed Miscibility—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.1, P37-42, Jan.-Feb.90.

Deviated Sucker Rod String—Computer Model Evaluates Oil Pumping Units in Inclined Wells, by S. Lukasiewicz, Vol.29, No.6, P76-79, Nov.-Dec.90.

Dill, W.R.—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Distillation Simulation—Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.

Dranchuk, P.M.—Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

Dreisinger, D.—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Drilling Applications—Medium-radius Lateral Drilling Applications in Canada, by M. Heaton and W. Rotel, Vol.29, No.3, P36-40, May-June 90.

Drilling Procedures—Critical Well Licence Applications: Criteria and the Drilling Industry's Role in Exploration, by J.D. Rooke, Vol.29, No.3, P26-30, May-June 90.

duPlessis, M.P.—Hydrocarbon Recovery Research: Doing More with Less Through Research Partnerships, by M.P. duPlessis, Vol.29, No.5, P111-115, Sept.-Oct.90.

Dual Completion—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

Dullien, F.A.L.—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Dynamic Interfacial Tension—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

E

Economic Evaluation—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.

Eid, N.M.A.—'Snap-back'—A New Factor in Rig Safety Design, by N.M.A. Eid, Vol.29, No.5, P71-76, Sept.-Oct.90.

El-Emam, N.A.—A Generalized Pipeline Design Correlation for Pseudoplastic Fluids, by S.E.M. Desouky and N.A. El-Emam, Vol.29, No.5, P48-54, Sept.-Oct.90.

El-Khatib, N.—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.

Electromagnetic Inspection Program—External Corrosion on Thermally Insulated Pipelines—Causes and Proposed Solutions, Canadian Occidental Gas Gathering System, by P. Bridger, Vol.29, No.2, P93-97, Mar.-Apr.90.

Energy Resources Conservation Board (ERCB)—Critical Well Licence Applications: Criteria and the Drilling Industry's Role in Exploration, by J.D. Rooke, Vol.29, No.3, P26-30, May-June 90.

Enhanced Oil Recovery—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.1, P22-28, Jan.-Feb.90.
— Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.
— Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.
— Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.
Enhanced Resolution Phasor Processing——Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.
Environmental Concerns—Lanthanide Fingerprinting and Acidification of a Glacial Till Soil, by H.F. Thimm and I.T. Weleschuk, Vol.29, No.5, P67-70, Sept.-Oct.90.
Equation of State—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.1, P37-42, Jan.-Feb.90.
— Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct.90.
Equation of State Simulator—Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.
Equipment—Optimizing Electric Submersible Pump Replacement Costs, by N.W. Kupsch, Vol.29, No.5, P63-66, Sept.-Oct.90.
Ester Hydrolysis—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.
Evans, R.D.—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.
External-drive Method—Further Experimental Validation of the External-drive Technique, by H.K. Sarma and R.G. Bentsen, Vol.29, No.4, P75-83, July-Aug.90.

F

Farouq Ali, S.M.—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.1, P22-28, Jan.-Feb.90.
— New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.1, P29-36, Jan.-Feb.90.
— Numerical Simulation of Foam Flow in Porous Media, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.4, P47-51, July-Aug.90.
Financial Management—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.
Fireflood—Experience with Fireflooding in Countess 'B' Pool, Alberta Reservoir Aspects, by M. Metwally, Vol.29, No.2, P87-92, Mar.-Apr.90.
Float Equipment Standards—Proper Selection of Float and Multiple-stage Cementing Equipment can Save Money, by Bob Sullaway and Dick Giroux, Vol.29, No.3, P52-60, May-June 90.
Flow Conditions—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.
Flow Efficiencies—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.
Foam Cement—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.
Foams—Numerical Simulation of Foam Flow in Porous Media, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.4, P47-51, July-Aug.90.
Fracturing—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.
Fracturing Fluids—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.
Freeborn, W.R.—South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

G

GLISP—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.
Gas Reserves—Alberta's Small Gas Pool Reserves, by A. Warren, Vol.29, No.4, P34-40, July-Aug.90.
Gas Systems—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.
Gas-lift Systems—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.
Gaseous Additives—Effect of Gaseous Additives on Steam Processes for Lindbergh Field, Alberta, by M. Metwally, Vol.29, No.6, P26-30, Nov.-Dec.90.
Geology—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.
Geothermal Reservoirs—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.
Gill, G.R.—Amoco's Field Data Entry System, by G.R. Gill, Vol.29, No.5, P109-110, Sept.-Oct.90.
Giroux, D.—Proper Selection of Float and Multiple-stage Cementing Equipment can Save Money, by Bob Sullaway and Dick Giroux, Vol.29, No.3, P52-60, May-June 90.
Gordon, S.—Loss Control—A Business Opportunity, by M.R. Robertson and S. Gordon, Vol.29, No.2, P125-128, Mar.-Apr.90.
Gravity Drainage—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.
— Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.
Gregory, G.—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.

H

Hamp, T.—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.
— Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.
Harker, B.—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.
Hart, W.A.—Improved Cementing Practices Reduce Cementing Failures, by W.A. Hart and T.R. Smith, Supplement, P34-39, Nov.90.
Hassler-Brunner Method—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.
Havlena-Odeh Method—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.
Hawkins, B.F.—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.
Heaton, M.—Medium-radius Lateral Drilling Applications in Canada, by M. Heaton and W. Rotel, Vol.29, No.3, P36-40, May-June 90.
Heavy Oil—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.
— Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct.90.
— Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.
Helical Screw Rheometers—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.
Herfjord, H.J.—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X.

Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.

Heterogeneity—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Horizontal Wells—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

— South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

— Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.

Hot Water Processes—Discussion, The Physical Chemistry of the Hot Water Process, by K. Takamura and D. Wallace, by J. Czarnecki and R. Smith, Supplement, P72-73, Nov.90.

Human Resources—Loss Control—A Business Opportunity, by M.R. Robertson and S. Gordon, Vol.29, No.2, P125-128, Mar.-Apr.90.

— Designing an Effective Training Program, by C.F. Lamb, Supplement, P58-61, Nov.90.

Hydraulic Fracture—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.

Hydrocarbon Flood—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

Hydrocarbon Recovery—Hydrocarbon Recovery Research: Doing More with Less Through Research Partnerships, by M.P. duPlessis, Vol.29, No.5, P111-115, Sept.-Oct.90.

Hydrogen Sulphide Environments—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

I

IPR—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.

Imbibition—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Inclined Oil Wells—Computer Model Evaluates Oil Pumping Units in Inclined Wells, by S. Lukasiewicz, Vol.29, No.6, P76-79, Nov.-Dec.90.

Inflow Analysis—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.

Interference Testing—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.

Iron Control—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Iron Control Methods—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Irreducible Water Saturation—A New Approach for Analysis of the Nuclear Magnetic Log—Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Islam, M.R.—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.l, P29-36, Jan.-Feb.90.

— Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

— Numerical Simulation of Foam Flow in Porous Media, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.4, P47-51, July-Aug.90.

J

Jha, K.—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

Joint Ventures—Technology Transfer: The Joint Venture in China, by D. Cole, Vol.29, No.2, P129-131, Mar.-Apr.90.

Joziasse, P.—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.

K

Kasperski, B.W.—Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.

Kattan, R.R.—New Correlation for Estimating the Viscosity of Undersaturated Crude Oils, by G.H. Abdul-Majeed, R.R. Kattan and N.H. Salman, Vol.29, No.3, P80-85, May-June 90.

Keg River—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.

Keg River Sandstone—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

— Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Kelkar, B.G.—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.

Kinetics—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Ko, S.C.M.—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

Kokal, S.L.—An Improved Model for Estimating Three-phase Oil-water-gas Relative Permeabilities from Two-phase Oil-water and Oil-gas Data, by S.L. Kokal and B.B. Maini, Vol.29, No.2, P105-114, Mar.-Apr.90.

— Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct.90.

— Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.

Kondratoff, L.—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.

Koval Theory—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Kupfer, G.—Corporate Community Responsibility: A Vision of Partnership, by G. Kupfer, Vol.29, No.3, P86-87, May-June 90.

Kupsch, N.W.—Optimizing Electric Submersible Pump Replacement Costs, by N.W. Kupsch, Vol.29, No.5, P63-66, Sept.-Oct.90.

L

LPG Solvents—Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Laffin, M.J.—An Overview of Bank Security for the Oil and Gas Professional, by M.J. Laffin, Vol.29, No.l, P89-92, Jan.-Feb.90.

Lamb, C.F.—Designing an Effective Training Program, by C.F. Lamb, Supplement, P58-61, Nov.90.

Lanthanide—Lanthanide Fingerprinting and Acidification of a Glacial Till Soil, by H.F. Thimm and I.T. Weleschuk, Vol.29, No.5, P67-70, Sept.-Oct.90.

Lateral Drilling—Medium-radius Lateral Drilling Applications in Canada, by M. Heaton and W. Rotel, Vol.29, No.3, P36-40, May-June 90.

Lebsack, D.B.—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

Lekia, S.D.L.—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.

Lens Heterogeneity—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Licencing—Critical Well Licence Applications: Criteria and the Drilling Industry's Role in Exploration, by J.D. Rooke, Vol.29, No.3, P26-30, May-June 90.

Lindbergh Field—Effect of Gaseous Additives on Steam Processes for Lindbergh Field, Alberta, by M. Metwally, Vol.29, No.6, P26-30, Nov.-Dec.90.

Linear Polarization—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

Lord, D.L.—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.

Loss Control Programs—Loss Control—A Business Opportunity, by M.R. Robertson and S. Gordon, Vol.29, No.2, P125-128, Mar.-Apr.90.

Lukasiewicz, S.—Computer Model Evaluates Oil Pumping Units in Inclined Wells, by S. Lukasiewicz, Vol.29, No.6, P76-79, Nov.-Dec.90.

M

MacDonald, A.J.—South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

MacDonald, I.F.—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Maini, B.B.—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

— An Improved Model for Estimating Three-phase Oil-water-gas Relative Permeabilities from Two-phase Oil-water and Oil-gas Data, by S.L. Kokal and B.B. Maini, Vol.29, No.2, P105-114, Mar.-Apr.90.

Mass Balance Methods—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Mass Transfer—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.l, P29-36, Jan.-Feb.90.

Materials Balance—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.

Materials Testing—Material Certification of Oilfield Well Control Equipment for Critical Sour Service Applications, by T.B. Pizzey, Vol.29, No.3, P31-35, May-June 90.

Mathematical Models—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.

— A Statistical Model to Evaluate a Hydrocarbon Miscible Flood in an Upper Devonian Field in Central Alberta, by S. Asgarpour and W. Papst, Vol.29, No.3, P61-66, May-June 90.

Mattar, L.—Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

Mayder, A.—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

— Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

McKean, H.C.—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Metwally, M.—Experience with Fireflooding in Countess 'B' Pool, Alberta Reservoir Aspects, by M. Metwally, Vol.29, No.2, P87-92, Mar.-Apr.90.

— Effect of Gaseous Additives on Steam Processes for Lindbergh Field, Alberta, by M. Metwally, Vol.29, No.6, P26-30, Nov.-Dec.90.

Micellar Flooding—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.l, P22-28, Jan.-Feb.90.

Microemulsions—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.l, P22-28, Jan.-Feb.90.

Microprocessor Technology—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.

Minimum Solvent Enrichment—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

Miscibility—Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

— Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Miscible Flooding—A Statistical Model to Evaluate a Hydrocarbon Miscible Flood in an Upper Devonian Field in Central Alberta, by S. Asgarpour and W. Papst, Vol.29, No.3, P61-66, May-June 90.

Modelling—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.

— A Scaling Criterion for Miscible Displacements, by G. Coskuner and R.G. Bentsen, Vol.29, No.1, P86-88, Jan.-Feb.90.

— An Improved Model for Estimating Three-phase Oil-water-gas Relative Permeabilities from Two-phase Oil-water and Oil-gas Data, by S.L. Kokal and B.B. Maini, Vol.29, No.2, P105-114, Mar.-Apr.90.

— Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Moffat, T.—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Monte Carlo Model—A Statistical Model to Evaluate a Hydrocarbon Miscible Flood in an Upper Devonian Field in Central Alberta, by S. Asgarpour and W. Papst, Vol.29, No.3, P61-66, May-June 90.

Moore, R.G.—In Situ Combustion Tests on Eyehill Cummings Reservoir, by R.G. Moore, M. Ursenbach and D.W. Bennion, Vol.29, No.6, P40-48, Nov.-Dec.90.

Morriss, C.E.—Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.

Moschovidis, Z.A.—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.

Myers, R.D.—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

N

Najman, J.—Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.

Natural Gas—Computer Calculations of Compressibility of Natural Gas, by J.H. Abou-Kassem, L. Mattar and P.M. Dranchuk, Vol.29, No.5, P105-108, Sept.-Oct.90.

Nodal Analysis—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.

Non-equilibrium Interfacial Tension—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.l, P29-36, Jan.-Feb.90.

Nonlinear Regression—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.

Novosad, Z.—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

— Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

Nuclear Magnetic Log—A New Approach for Analysis of the Nuclear Magnetic Log—Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Numerical Simulations—Numerical Simulation of Foam Flow in Porous Media, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.4, P47-51, July-Aug.90.

— Representation of Hysteresis in Capillary Pressure for Reservoir Simulation Models, by T. Tan, Vol.29, No.4, P84-88, July-Aug.90.

— Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

O

Odiorne, J.—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

Oil Recovery Process—A Scaling Criterion for Miscible Displacements, by G. Coskuner and R.G. Bentsen, Vol.29, No.1, P86-88, Jan.-Feb.90.
Oil Systems—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.
Oil Viscosity—A Correlation of Viscosity and Molecular Weight, by P.J. Closmann and R.D. Seba, Vol.29, No.4, P115-116, July-Aug.90.
Oil-base Coring—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.
Ong, T.S.—Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.
Operational Costs—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.
Optimization—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.
Original-oil-in-place—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.
Ottawa Sand—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.
Oxygen—In Situ Combustion Tests on Eyehill Cummings Reservoir, by R.G. Moore, M. Ursenbach and D.W. Bennion, Vol.29, No.6, P40-48, Nov.-Dec.90.

P

Palmer, I.D.—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.
Papst, W.—A Statistical Model to Evaluate a Hydrocarbon Miscible Flood in an Upper Devonian Field in Central Alberta, by S. Asgarpour and W. Papst, Vol.29, No.3, P61-66, May-June 90.
Parameter Estimation—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.
Pembina Cardium Sandstone—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.
Perez, G.—A Simplified Method to Predict Over-all Production Performance, by G.Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.
Performance Prediction—Representation of Hysteresis in Capillary Pressure for Reservoir Simulation Models, by T. Tan, Vol.29, No.4, P84-88, July-Aug.90.
Permeability—A New Approach for Analysis of the Nuclear Magnetic Log - Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.
Permeability Contrasts—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.
Petit, H.—Experimental Evaluation of In situ Combustion in Naturally Consolidated Cores, by H. Petit, Vol.29, No.6, P56-62, Nov.-Dec.90.
Petroleum Economics—An Overview of Bank Security for the Oil and Gas Professional, by M.J. Laffin, Vol.29, No.l, P89-92, Jan.-Feb.90.
Phase Behaviour—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.
Pipeline Designs—A Generalized Pipeline Design Correlation for Pseudoplastic Fluids, by S.E.M. Desouky and N.A. El-Emam, Vol.29, No.5, P48-54, Sept.-Oct.90.
Pipelines—External Corrosion on Thermally Insulated Pipelines—Causes and Proposed Solutions, Canadian Occidental Gas Gathering System, by P. Bridger, Vol.29, No.2, P93-97, Mar.-Apr.90.
Pizzey, T.B.—Material Certification of Oilfield Well Control Equipment for Critical Sour Service Applications, by T.B. Pizzey, Vol.29, No.3, P31-35, May-June 90.
Plunger Lift—Computer Model Evaluates Oil Pumping Units in Inclined Wells, by S. Lukasiewicz, Vol.29, No.6, P76-79, Nov.-Dec.90.
Polymer—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.l, P29-36, Jan.-Feb.90.
Polyurethane—External Corrosion on Thermally Insulated Pipelines—Causes and Proposed Solutions, Canadian Occidental Gas Gathering System, by P. Bridger, Vol.29, No.2, P93-97, Mar.-Apr.90.
Pool-production Forecasts—Pool-production and Well-count Forecasts, by R.A. Purvis, Vol.29, No.6, P80-87, Nov.-Dec.90.
Pound Gas Processing Complex—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.
Pressure Communication—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.
Pressure Curves—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.
Pressure Transient Analysis—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.
Production Increases—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.
Production Performance—A Simplified Method to Predict Over-all Production Performance, by G. Perez and B.G. Kelkar, Vol.29, No.1, P78-85, Jan.-Feb.90.
Project Planning—Corporate Community Responsibility: A Vision of Partnership, by G. Kupfer, Vol.29, No.3, P86-87, May-June 90.
Pseudoplastic Fluids—A Generalized Pipeline Design Correlation for Pseudoplastic Fluids, by S.E.M. Desouky and N.A. El-Emam, Vol.29, No.5, P48-54, Sept.-Oct.90.
Purvis, D.—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.
Purvis, R.A.—Pool-production and Well-count Forecasts, by R.A. Purvis, Vol.29, No.6, P80-87, Nov.-Dec.90.

Q

Quality Control—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.

R

Rainbow Lake—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.
Ramey, H.J., Jr.—Effects of a Thin Skin at the Front on Composite Reservoir Well Tests, by A.K. Ambastha and H.J. Ramey, Jr., Vol.29, No.2, P98-104, Mar.-Apr.90.
Ramstad, H.J.—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.
Rao, D.N.—Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.
Rare Earth Elements—Lanthanide Fingerprinting and Acidification of a Glacial Till Soil, by H.F. Thimm and I.T. Weleschuk, Vol.29, No.5, P67-70, Sept.-Oct.90.
Reclamation—The Prevention of Resalinization in the Reclamation of Saltwater Spill Sites, by H.F. Thimm, Vol.29, No.4, P113-114, July-Aug.90.
Recovery Efficiency—Numerical Simulation of Foam Flow in Porous Media, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.4, P47-51, July-Aug.90.
Relative Permeability—An Improved Model for Estimating Three-phase Oil-water-gas Relative Permeabilities from Two-phase Oil-water and Oil-gas Data, by S.L. Kokal and B.B. Maini, Vol.29, No.2, P105-114, Mar.-Apr.90.
— Further Experimental Validation of the External-drive Technique, by H.K. Sarma and R.G. Bentsen, Vol.29, No.4, P75-83, July-Aug.90.
Remedial Cementing Operational—Evaluation of Foam Cement Squeeze Treatments for Low-pressure Highly Permeable Reservoirs, by L. Kondratoff and W. Chmilowski, Vol.29, No.2, P66-71, Mar.-Apr.90.
Resalinization—The Prevention of Resalinization in the Reclamation of Saltwater Spill Sites, by H.F. Thimm, Vol.29, No.4, P113-114, July-Aug.90.
Research Partnerships—Hydrocarbon Recovery Research: Doing More with

Less Through Research Partnerships, by M.P. duPlessis, Vol.29, No.5, P111-115, Sept.-Oct.90.

Research and Development—Hydrocarbon Recovery Research: Doing More with Less Through Research Partnerships, by M.P. duPlessis, Vol.29, No.5, P111-115, Sept.-Oct.90.

Reserves Estimation—Determination of Reserves and Values and Application of Risk, by J.G. Robinson, Supplement, P62-71, Nov.90.

Reservoir Simulation—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

— A Scaling Criterion for Miscible Displacements, by G. Coskuner and R.G. Bentsen, Vol.29, No.1, P86-88, Jan.-Feb.90.

Reservoirs—Experience with Fireflooding in Countess 'B' Pool, Alberta Reservoir Aspects, by M. Metwally, Vol.29, No.2, P87-92, Mar.-Apr.90.

Residual Oil Saturation—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Resistivity Log—A New Approach for Analysis of the Nuclear Magnetic Log - Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Rheological Characteristics—A Generalized Pipeline Design Correlation for Pseudoplastic Fluids, by S.E.M. Desouky and N.A. El-Emam, Vol.29, No.5, P48-54, Sept.-Oct.90.

Rheological Measurements—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.

Rig Designs—'Snap-back'—A New Factor in Rig Safety Design, by N.M.A. Eid, Vol.29, No.5, P71-76, Sept.-Oct.90.

Rise Bubble Apparatus—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

Rixon, M.D.—Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.

Robertson, M.R.—Loss Control—A Business Opportunity, by M.R. Robertson and S. Gordon, Vol.29, No.2, P125-128, Mar.-Apr.90.

Robinson, J.G.—Determination of Reserves and Values and Application of Risk, by J.G. Robinson, Supplement, P62-71, Nov.90.

Rooke, J.D.—Critical Well Licence Applications: Criteria and the Drilling Industry's Role in Exploration, by J.D. Rooke, Vol.29, No.3, P26-30, May-June 90.

Rotel, W.—Medium-radius Lateral Drilling Applications in Canada, by M. Heaton and W. Rotel, Vol.29, No.3, P36-40, May-June 90.

Russell, B.—South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

Ruth, D.—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.

S

Safety Factors—'Snap-back'—A New Factor in Rig Safety Design, by N.M.A. Eid, Vol.29, No.5, P71-76, Sept.-Oct.90.

Salman, N.H.—New Correlation for Estimating the Viscosity of Undersaturated Crude Oils, by G.H. Abdul-Majeed, R.R. Kattan and N.H. Salman, Vol.29, No.3, P80-85, May-June 90.

Saltwater Spills—The Prevention of Resalinization in the Reclamation of Saltwater Spill Sites, by H.F. Thimm, Vol.29, No.4, P113-114, July-Aug.90.

Sandstone Core—Experimental Evaluation of In situ Combustion in Naturally Consolidated Cores, by H. Petit, Vol.29, No.6, P56-62, Nov.-Dec.90.

Sarma, H.K.—Further Experimental Validation of the External-drive Technique, by H.K. Sarma and R.G. Bentsen, Vol.29, No.4, P75-83, July-Aug.90.

Sayegh, S.G.—Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct.90.

— Phase Behaviour and Physical Properties of Lindbergh Heavy Oil/CO_2 Mixtures, by S.G. Sayegh, D.N. Rao, S.L. Kokal and J. Najman, Vol.29, No.6, P31-39, Nov.-Dec.90.

Scaling Laws—New Scaling Criteria for Chemical Flooding Experiments, by M.R. Islam and S.M. Farouq Ali, Vol.29, No.1, P29-36, Jan.-Feb.90.

Seba, R.D.—A Correlation of Viscosity and Molecular Weight, by P.J. Closmann and R.D. Seba, Vol.29, No.4, P115-116, July-Aug.90.

Shackelford, D.—Application of Helical Screw Rheometer for Rheological Measurements, by D.L. Lord and D. Shackelford, Vol.29, No.3, P47-51, May-June 90.

Shaw, J.—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Shekilie Keg River—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

Shell Canada—Shell Jumping Pound: Optimizing Sulphur Plant Operations via Linde Claus Oxygen Enrichment Process, by D. Dreisinger and T. Moffat, Supplement, P40-45, Nov.90.

Sibbald, L.R.—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

— Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

Simulator Grid Blocks—Numerical Simulation of Displacements in Systems Containing a Lens Heterogeneity, by H.C. McKean and R.A. Dawe, Vol.29, No.6, P88-93, Nov.-Dec.90.

Single Well Tracer—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

Single-well Pools—Alberta's Small Gas Pool Reserves, by A. Warren, Vol.29, No.4, P34-40, July-Aug.90.

Slim Tube Tests—Design of Miscible Solvents for a Rich Gas Drive—Comparison of Slim Tube and Rising Bubble Tests, by Z. Novosad, L.R. Sibbald and T.G. Costain, Vol.29, No.l, P37-42, Jan.-Feb.90.

— Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

— Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Smith, R.—Discussion, The Physical Chemistry of the Hot Water Process, by K. Takamura and D. Wallace, by J. Czarnecki and R. Smith, Supplement, P72-73, Nov.90.

Smith, T.R.—Improved Cementing Practices Reduce Cementing Failures, by W.A. Hart and T.R. Smith, Supplement, P34-39, Nov.90.

Solvent Design—Analysis of One-Dimensional Rich Gas Displacements with an Equation of State Simulator, by L.R. Sibbald, Z. Novosad and T.G. Costain, Vol.29, No.1, P43-49, Jan.-Feb.90.

Sour Gas—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Sour Gas Gathering Systems—An Evaluation of Corrosion Monitoring Techniques for Measuring Corrosion Inhibitor Performance in Sour Gas Gathering Systems, by R.D. Myers, G.R. Cameron and D.B. Lebsack, Vol.29, No.4, P89-99, July-Aug.90.

Sour Service—Material Certification of Oilfield Well Control Equipment for Critical Sour Service Applications, by T.B. Pizzey, Vol.29, No.3, P31-35, May-June 90.

Steady-state Technique—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

Steam Pilot—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.

Steam Recovery—Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.

Steam-assisted Gravity Drainage—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

Steamflooding Processes—Effect of Gaseous Additives on Steam Processes for Lindbergh Field, Alberta, by M. Metwally, Vol.29, No.6, P26-30, Nov.-Dec.90.

Stimulation—Generalized Inflow Performance Relationship for Stimulated Wells, by S.D.L. Lekia and R.D. Evans, Vol.29, No.6, P71-75, Nov.-Dec.90.

Stokes, D.—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

Stone Models—An Improved Model for Estimating Three-phase Oil-water-

gas Relative Permeabilities from Two-phase Oil-water and Oil-gas Data, by S.L. Kokal and B.B. Maini, Vol.29, No.2, P105-114, Mar.-Apr.90.

Submersible Pumps—Optimizing Electric Submersible Pump Replacement Costs, by N.W. Kupsch, Vol.29, No.5, P63-66, Sept.-Oct.90.

Sugianto, S.—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

Sullaway, R.—Proper Selection of Float and Multiple-stage Cementing Equipment can Save Money, by Bob Sullaway and Dick Giroux, Vol.29, No.3, P52-60, May-June 90.

Sulphide Stress Cracking—Material Certification of Oilfield Well Control Equipment for Critical Sour Service Applications, by T.B. Pizzey, Vol.29, No.3, P31-35, May-June 90.

Supon, S.B.—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.l, P22-28, Jan.-Feb.90.

Surfactant Enhanced Alkaline Flooding—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

Surfactant Flooding—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.1, P22-28, Jan.-Feb.90.

System Design—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.

Systems Constraints—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.

T

Takamura, K.—Authors' Reply, The Physical Chemistry of the Hot Water Process, by K. Takamura , D. Wallace, and R. Chow, Supplement, P74-75, Nov.90.

Tan, T.—Representation of Hysteresis in Capillary Pressure for Reservoir Simulation Models, by T. Tan, Vol.29, No.4, P84-88, July-Aug.90.

Tang, J.S.—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Tar Sands—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.

Taylor, K.C.—Dynamic Interfacial Tension in Surfactant Enhanced Alkaline Flooding, by K.C. Taylor, B.F. Hawkins and M.R. Islam, Vol.29, No.1, P50-55, Jan.-Feb.90.

Technical Management—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.

Technology—Technology Transfer: The Joint Venture in China, by D. Cole, Vol.29, No.2, P129-131, Mar.-Apr.90.

Tertiary Recovery—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.l, P22-28, Jan.-Feb.90.

Thermal Oil Recovery—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

Thimm, H.F.—The Prevention of Resalinization in the Reclamation of Saltwater Spill Sites, by H.F. Thimm, Vol.29, No.4, P113-114, July-Aug.90.

— Lanthanide Fingerprinting and Acidification of a Glacial Till Soil, by H.F. Thimm and I.T. Weleschuk, Vol.29, No.5, P67-70, Sept.-Oct.90.

Thomas, S.—Tertiary Oil Recovery Using Multiple Micellar Slugs, by S. Thomas, S.B. Supon and S.M. Farouq Ali, Vol.29, No.l, P22-28, Jan.-Feb.90.

Tiltmeter—Fracture Geometries Consistent with Tiltmeter Data and Pressure and Tracer Communication in the GLISP I-1 Stimulation, by I.D. Palmer and Z.A. Moschovidis, Vol.29, No.1, P56-66, Jan.-Feb.90.

Training Programs—Designing an Effective Training Program, by C.F. Lamb, Supplement, P58-61, Nov.90.

Transient Pressure Testing—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.

U

Undersaturated Crude Oils—New Correlation for Estimating the Viscosity of Undersaturated Crude Oils, by G.H. Abdul-Majeed, R.R. Kattan and N.H. Salman, Vol.29, No.3, P80-85, May-June 90.

Unsteady-state Technique—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

Ursenbach, M.—In Situ Combustion Tests on Eyehill Cummings Reservoir, by R.G. Moore, M. Ursenbach and D.W. Bennion, Vol.29, No.6, P40-48, Nov.-Dec.90.

Utikuma—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Utikuma Lake—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

V

Van Doorne, G.—An Integrated Reserves Administration and Evaluation Tool, by P. Joziasse and G.Van Doorne, Vol.29, No.3, P73-79, May-June 90.

Vertical Resolution—Vertical Resolution Enhancement of the Phasor Induction—Applications in Western Canada, by M.D. Rixon, B.W. Kasperski and C.E. Morriss, Vol.29, No.5, P92-104, Sept.-Oct.90.

Viscosity—New Correlation for Estimating the Viscosity of Undersaturated Crude Oils, by G.H. Abdul-Majeed, R.R. Kattan and N.H. Salman, Vol.29, No.3, P80-85, May-June 90.

Viscous Oil—A Comparison of Steady-state and Unsteady-state Relative Permeabilities of Viscous Oil and Water in Ottawa Sand, by B.B. Maini, G. Coskuner and K. Jha, Vol.29, No.2, P72-77, Mar.-Apr.90.

Vogt, J.P.—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.

Vokey, G.—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Volume Translation—Gas-saturated Bitumen Density Predictions Using the Volume-translated Peng-Robinson Equation of State, by S.L. Kokal and S.G. Sayegh, Vol.29, No.5, P77-82, Sept.-Oct. 90.

W

Walker, M.L.—Iron Control Provides Sustained Production Increase in Wells Containing Sour Gas, by M.L. Walker, W.R. Dill and M.R. Mesler, Supplement, P46-50, Nov.90.

Wallace, D.—Authors' Reply, The Physical Chemistry of the Hot Water Process, by K. Takamura, D. Wallace, and R. Chow, Supplement, P74-75, Nov.90.

Wang, B.—A More Accurate Water Influx Formula with Applications, by J.P. Vogt and B. Wang, Vol.29, No.4, P52-62, July-Aug.90.

Warren, A.—Alberta's Small Gas Pool Reserves, by A. Warren, Vol.29, No.4, P34-40, July-Aug.90.

Wasylycia, N.—Single Well Tracer Testing for Connate Water Saturation at Utikuma Lake: Field Application, by T. Hamp, D. Stokes, N. Wasylycia, A. Mayder and J. Odiorne, Vol.29, No.5, P83-91, Sept.-Oct.90.

Water Coning—The Production of Conventional Heavy Oil Reservoirs with Bottom Water Using Steam-Assisted Gravity Drainage, by S. Sugianto and R.M. Butler, Vol.29, No.2, P78-86, Mar.-Apr.90.

— South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

— Representation of Hysteresis in Capillary Pressure for Reservoir Simulation Models, by T. Tan, Vol.29, No.4, P84-88, July-Aug.90.

Water Resistivity—A New Approach for Analysis of the Nuclear Magnetic Log - Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Water Saturation Exponent—A New Approach for Analysis of the Nuclear Magnetic Log - Resistivity Log Combination, by R. Aguilera, Vol.29, No.1, P67-71, Jan.-Feb.90.

Waterflooding—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

— Wettability and Immiscible Displacement in Pembina Cardium Sand-

stone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Weleschuk, I.T.—Lanthanide Fingerprinting and Acidification of a Glacial Till Soil, by H.F. Thimm and I.T. Weleschuk, Vol.29, No.5, P67-70, Sept.-Oct.90.

Well Control Equipment—Material Certification of Oilfield Well Control Equipment for Critical Sour Service Applications, by T.B. Pizzey, Vol.29, No.3, P31-35, May-June 90.

Well Design—South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

Well Planning—South Jenner Horizontal Wells a Water Coning Case Study, by W.R. Freeborn, B. Russell and A.J. MacDonald, Vol.29, No.3, P41-46, May-June 90.

Well Test Analysis—Interference and Pulse Test Analysis by Nonlinear Regression, by N. El-Khatib, Vol.29, No.4, P41-46, July-Aug.90.

Well Tracer Tests—Mass Balance Method to Determine Residual Oil Saturation from Single Well Tracer Test Data, by J.S. Tang and B. Harker, Vol.29, No.2, P115-124, Mar.-Apr.90.

Well-count Forecasts—Pool-production and Well-count Forecasts, by R.A. Purvis, Vol.29, No.6, P80-87, Nov.-Dec.90.

Wellbore Resistance—Wellbore Flow Resistance in Steam-assisted Gravity Drainage, by T.S. Ong and R.M. Butler, Vol.29, No.6, P49-55, Nov.-Dec.90.

Wettability—Wettability and Immiscible Displacement in Pembina Cardium Sandstone, by F.A.L. Dullien, H.A. Allsop, I.F. MacDonald and I. Chatzis, Vol.29, No.4, P63-74, July-Aug.90.

Wettability Alteration—Oil-base Coring for Connate Water Saturation—Utikuma Keg River Sandstone, by T. Hamp, A. Mayder, G. Vokey, J. Shaw and N. Cebuliak, Supplement, P51-57, Nov.90.

Withers, R.L.—Waterflooding in a Small Pinnacle Reef Reservoir with a Single Wellbore, by M.J. Boutette, S.C.M. Ko and R.L. Withers, Vol.29, No.1, P72-77, Jan.-Feb.90.

Wong, S.—Centrifuge Capillary Pressure Curves, by D. Ruth and S. Wong, Vol.29, No.3, P67-72, May-June 90.

Workover Operations—Utilizing a Field Computer System During Cementing to Help Avoid Costly Workovers, by D. Purvis and G. Gregory, Vol.29, No.5, P55-62, Sept.-Oct.90.

Wu, R.S.—Evaluation of Miscibility from Slim Tube Tests, by R.S. Wu and J.P. Batycky, Vol.29, No.6, P63-70, Nov.-Dec.90.

Z

Zheng-gang, X.—Economical Distribution of Gas in a Continuous Gas-lift System Subject to Variable Cost and System Constraints, by X. Zheng-gang, H.J. Herfjord and H.J. Ramstad, Vol.29, No.5, P38-47, Sept.-Oct.90.